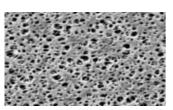
Polyethersulfone Membrane Filters, Type 154, for the Filtration of Aqueous and Aggressive Solutions



The new polyethersulfone membrane filters have excellent flow speeds and, connected to it, a high filterable volume.

Furthermore, the membranes are very well suitable for samples of the environmental sector.

Biologic and pharmaceutic solutions can be filtered, in the wide pH-range of pH 2-12, because of their low protein adsorption.

The filters with 0.1 µm are used for the ultracleaning of solutions, e.g. in case of nephelometry.

Typical perfomance for polyethersulfone membrane filters

	Adsorption	10 μg/cm² for lgG, 5 μm/cm² for BSA, 1.9 μg/cm² for Insulin
	Bubble point acc. DIN 58355	0.1 μm with Isopropanol/water (60/40) >2.1 bar (30.45 psi) 0.2 μm = 3.2 bar (320 kPa, 46 psi) 0.45 μm = 2.3 bar (33.4 psi)
	Chemical compatibility	Resistant to some solutions and aggressive, aqueous solutions, pH 1-13.
	Extractables with water	Less than 0.2%
	Flow rate for water acc. DIN 58355	Average value per cm ² area at $\Delta P = 1$ bar (100 kPa, 14.5 psi): 0.1 μ m – >7 ml/min. 0.2 μ m – >28 ml/min. 0.45 μ m – >32 ml/min.
	Material	Polyethersulfone (non ionic)
	Sterilization	By autoclaving at 121°C or 134°C, gamma radiation or with ethylenoxide.
phonedon com	Sterilizing filtration	Filters with 0.2 µm pore sizes have been validated with the Bacteria Challenge Test.

www.laboandco.com N° indigo : 08 20 20 16 1 hickness acc. DIN 53105

150 µm